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Worksop Urban District Council.



Annual Report

For 1904.

BY

T. C. GARRETT,

MEDICAL OFFICER OF HEALTH.



WORKSOP :

PRINTED BY S. CAUDWELL, 20, POTTER STREET.

Report for the Year 1904.

TO THE URBAN DISTRICT COUNCIL OF WORKSOP.

GENTLEMEN,

I have the honour to present to you my Report on the Health of the Urban District of Worksop during the year 1904.

I am,
Your obedient servant,
T. C. GARRETT,
Medical Officer of Health.

Population.—At the Census of 1891 the population of Worksop was 12,734 and at that of 1901, 16,112, showing an increase of 3,378.

Estimated by the increase shown in the Census of 1901 over that of 1891, the population at the middle of 1904 was 17,392. This number is used for the calculation of the birth and death rate.

The Town continues to increase and during the year 96 plans for new houses were passed by the Sanitary Committee.

Births.—During 1904 the Births registered were:—

Males 382, Females 255, Total 583.

The birth rate is 33·52 per 1,000 of the Population. The births this year are 26 less than the previous year and even 16 less than in 1902; while the birth rate for the year is lower than the average for the previous 10 years.

The following table shows the births and rate for each quarter.

| Quarter ending— | Males | Females | Total | Rate |
|-----------------|-------|---------|-------|-------|
| March ... | 99 | 62 | 161 | 37·15 |
| June ... | 88 | 61 | 149 | 34·36 |
| September ... | 86 | 77 | 163 | 37·20 |
| December ... | 55 | 55 | 110 | 25·09 |
| | 328 | 255 | 583 | |

Deaths.—The deaths during 1904 amounted to 291, 158 males and 133 females ; giving a death rate of 16·73.

This number includes the deaths of 11 non-residents who died in Public Institutions in the district. To get the net deaths, these have to be deducted from the total, and the deaths of 3 residents in institutions, outside the district, added.

The net deaths, therefore, are 283 giving a rate of 16·27. Last year the net deaths were 266 and the rate 15·76. The table shows the deaths and rate for each quarter.

| Quarter ending— | Males | Females | Total | Rate |
|-----------------|-------|---------|-------|-------|
| March ... | 50 | 34 | 84 | 19·38 |
| June ... | 18 | 17 | 35 | 8·17 |
| September ... | 59 | 42 | 101 | 23·05 |
| December ... | 31 | 40 | 71 | 16·20 |
| | 158 | 133 | 291 | |

Deaths in Public Institutions in the District :—

These numbered 32.

British Medical Association Library,
429, Strand,
London, W. C.
February, 1904.

Dear Sir,

May I on behalf of the Library Committee, and in accordance with my usual custom, venture to ask if you will have the kindness to forward me a copy of your Report as Medical Officer of Health for the past year?

As it is desired that these Reports may be kept for purposes of reference, I shall feel further much obliged if you will be good enough to favour me by continuing to do so every year.

In forwarding, kindly indicate that the report is for the LIBRARY.

I am, dear Sir,

Faithfully yours,

The Librarian.

Handwritten notes:
J. E. S. 1904
7/1/04

Captain Abner
 Charles Lefebvre
 D. B. Hunt
 Hon. Major
 P. Canabli de Nohon
 Ulm Brunner

2/-

T

Anna Olivier
 Catherine Mermet
 G. Bonnand
 Hon. Edith Jefford
 W. Maman Lochet
 Marie Van Houtte

2/6

H T Auguste Gamorsseau
 Caroline Desfont
 Kaiserin A Victoria
 La France
 Vicomtesse Folkestone
 madame Abel Chateaux

In the Kilton Hill Infirmary, 24. 15 of these belonged to the district.

In the Victoria Hospital, 7. 5 of which belonged to the district.

In the Small-Pox Hospital, 1.

Aged Persons.—There were 69 deaths of persons 65 years and upwards, and these were 22·3 per cent. of the total.

Infantile Mortality.—The number of deaths of Infants under 1 year was 104, and the rate of mortality per 1,000 registered births is 178·39.

The rate per 1,000 deaths registered is 357·39, and the rate per 1,000 of population is 5·98.

This rate shows a considerable increase over that of last year when it stood at 149·42 per 1,000 births.

It is not, however, much higher than the average rate for the 10 preceding years.

The chief cause of Infantile Mortality, common to every locality, are premature birth, congenital defects, hereditary tendencies, inexperience and neglect of mothers, industrial conditions, and improper food.

It has been estimated that an annual death rate amongst infants of 100 per 1,000 births is unavoidable. Anything above this figure is held to be presentable.

In many towns means have been taken to reduce this great mortality.

These include the circulation of cards of instruction as to the feeding of infants and the employment of special nurses to visit and give practical instructions on infant feeding and other sanitary matters connected with the home.

This latter method is the one most likely to give good results and can be carried out at a very moderate expense.

The deaths of children under 5 years were 150 and these were 51·5 per cent. of the total.

Tubercular Disease.—The deaths from pulmonary tuberculosis were 8.

The ages of these will be seen in Table IV.

The rate of mortality is ·46 per 1,000 of population.

There were 3 deaths from other tubercular diseases.

Cancer.—The deaths from cancer and malignant disease were 9.

The following table gives the age, sex, and situation of the disease.

| | | | | |
|--------|-----|----------|-----|-----------|
| Male | ... | 54 years | ... | Stomach |
| Female | ... | 52 | „ | Stomach |
| Male | ... | 57 | „ | Liver |
| Female | ... | 68 | „ | Liver |
| Male | ... | 48 | „ | Rectum |
| Male | ... | 81 | „ | Rectum |
| Female | ... | 71 | „ | Breast |
| Female | ... | 53 | „ | Œsophagus |
| Male | .. | 54 | „ | Skin |

Uncertified Deaths.—These numbered 21.

In these cases a certificate cannot be given by the Medical Practitioner, and they are reported to the District Coroner.

The supposed causes of death were :—

Heart disease, 7 ; Premature birth, 7 ; Convulsions, 3 ; Thrush, 1 ; Broncho-pneumonia, 1 ; Marasmus, 1 ; and Diarrhœa, 1. 14 of these deaths were in children under 1 year, and the remainder in persons over 57 years.

Inquests.—The inquests held in the district were 10.

The verdicts returned were :—

Accidents, 6 ; 3 of these were due to burns.
Suicide, 2, Natural causes, 2.

Zymotic Disease.—The deaths from the seven principal zymotic diseases were 59 which is at the rate of 3·39 per 1,000 population as compared with 20 deaths and a rate of 1·18 in 1903.

| In 1904— | In 1903— |
|--|----------------|
| 1 Death was due to Small-pox ... | ... 1 |
| 20 Deaths were due to Measles ... | ... 1 |
| 2 Deaths were due to Typhoid Fever ... | ... 1 |
| 36 Deaths were due to Diarrhœa ... | ... 8 |
| 0 Whooping Cough ... | ... 9 |
| 0 Scarlet Fever ... | ... 0 |
| 0 Diphtheria ... | ... 0 |
| <hr/> 59 <hr/> | <hr/> 20 <hr/> |

The great increase this year is thus seen to have occurred in deaths from measles and diarrhœa.

Measles.—The town has been free from measles in epidemic form since 1902. This year an epidemic of unusual severity prevailed in the last six months.

Cases first appeared in July in children attending one of the schools in the Abbey Parish.

By the end of the Summer holidays the epidemic had become general and it was found necessary to close several of the schools, viz. :—

St. John's Infants and Girls, Abbey Infants, Wesleyan (Infant department), St. Mary's R.C.

The children affected were mainly those of the infant departments.

20 deaths were due to measles and all these except two were of the age of two years and under.

At the end of the year the town was free from the disease.

Diarrhœa.—The exceptionally hot and dry weather in July was followed by a very severe epidemic of infantile diarrhœa.

Beginning in the first week in August, it increased in severity till the end of the third week. During the fourth there was considerable abatement, and by the end of the following week it had almost disappeared.

36 deaths were due to epidemic diarrhœa,

The ages of these were :—

| | | | |
|---------------------------|-----|-----|----|
| Under 6 months | ... | ... | 14 |
| 6 months and under 1 year | ... | ... | 13 |
| 1 year and under 5 years | ... | ... | 9 |

Under the heading Enteritis, Table IV, are 7 deaths in children under 5 years.

These added to the deaths from diarrhœa, make a total of 43 deaths in children from intestinal disease.

Investigation showed that the deaths from diarrhœa were most numerous in localities where social and sanitary conditions are at their worst.

The conditions most frequently found were old property, unpaved back yards with polluted surface soil, and close proximity to midden privies.

The specific cause of the disease may be conveyed as dust. Infectious dust, from surroundings such as these, readily contaminates food, and especially milk; and may be swallowed or inhaled by children playing on the ground.

Notification of Infectious Disease.—During the year 52 certificates were received, as compared with 44 in 1903.

The cases certified in each quarter are shown in the following table :—

| Quarter ending— | | Small-pox | Scarlet Fever | Diphth-eria | Typhoid Fever | Erysip-elas | Total |
|-----------------|-----|-----------|---------------|-------------|---------------|-------------|-------|
| March | ... | 0 | 5 | 2 | 1 | 4 | 12 |
| June | ... | 0 | 5 | 0 | 7 | 0 | 12 |
| September | ... | 0 | 1 | 0 | 4 | 0 | 5 |
| December | ... | 13 | 5 | 0 | 4 | 1 | 23 |
| | | 13 | 16 | 2 | 16 | 5 | 52 |

The Isolation Hospital at Carlton, for the Worksop Urban and the Blyth and Cuckney Rural Districts, was opened for the reception of patients on January 1st, 1904.

The hospital has accommodation for 16 beds and is fitted with Thresh's Steam Disinfecting Apparatus.

17 cases from the Worksop District were treated in the hospital during the year.

All the small-pox cases were treated at the Small-pox Hospital in Kilton Wood.

Typhoid Fever.—16 cases of Typhoid were certified, and there were 2 deaths. 5 of these occurred singly in separate houses in which no definite cause could be found.

The other 11 occurred in three groups where there were cases in two or more adjacent houses in the same yard. In these three instances faulty sanitary conditions were found.

In two the water supply was from shallow wells which were being polluted with sewage.

In the other, the yard was unpaved and dirty, and the ashpits and privies in a foul condition.

These defects were reported to the Sanitary Committee, and have since been remedied.

13 cases were removed to the Isolation Hospital.

Scarlet Fever.—16 cases were reported during the year.

Most of these were extremely mild in type.

4 were removed to the Isolation Hospital.

Diphtheria.—Only 2 cases of diphtheria were notified.

Erysipelas.—5 cases were reported, and there was one death, a child, 5 months.

Small-Pox.—An outbreak of Small-Pox occurred in December on which a Special Report was made to your Sanitary Committee and copies were sent to the Local Government Board and County Council.

Briefly, the history of the outbreak is as follows :—

The disease was introduced from Barnsley by a man who came to lodge at a Public House in Norfolk Street, on December 1st. This man was noticed by his friends to have spots on his face on December 7th, but he continued at his work till December 11th, when he was taken to a doctor. During this time he frequently visited and spent a considerable time of the afternoon of December 10th in another Public House in Castle street.

Three of the inmates of this house developed Small Pox and all the other cases (except two who were fellow lodgers with Case 1, in Norfolk street, and received infection there) can be directly traced to infection from this source.

The other lodgers from the house in Norfolk street (7 men and 1 woman), were placed in quarantine and compensation paid. Of these one developed Small Pox. In all other houses where cases occurred, the bedding, clothes, and rooms were disinfected. The inmates were re-vaccinated and kept under observation for the next fortnight.

Up to December 31st, 13 cases were reported.

One died in Hospital on December 28th

All the others were of a very mild type.

At a meeting of your Council on December 29th, it was decided to make Chicken Pox notifiable in the district for a period of three months.

Water Supply.—The water supply is mainly from the Waterworks, which are the property of a Limited Company. The water is derived from a deep well. It is soft in character, and otherwise of good quality, and the supply is ample.

In several localities in the town the drinking water is derived from pumps. These for the most part are situated in back yards, and must always be liable to contamination from the close proximity of midden privies.

Sewerage System.—The sewerage system of the town has been in existence for over 40 years. It is partly the combined and partly the separate system.

The sewage is collected in tanks at the Sewage Works. From there it is pumped to the farm at Kilton Forest, where it is disposed of by broad irrigation.

On July 8th, an enquiry was held by Ross Cooper, Esq., at the Town Hall, to obtain sanction of the L.G.B. for a loan to construct a new out-fall to the sewerage system.

The loan was sanctioned and the work has now been completed.

A new outlet sewer, 2ft. 6in. diameter has been constructed from Bracebridge to the sewage tanks, a distance of 220 yards. This has greatly relieved the main sewer at this point, and will also take the sewage from the new 12in. main, from the Kilton side of the town, and from Garside Street.

Excrement Disposal.—The excrement disposal is chiefly by midden privies.

The work is done by a contractor, under the direction of the Nuisance Inspector.

There is a weekly collection of house refuse.

Lodging Houses.—There are 4 common lodging houses in the town.

These have been regularly inspected, and are kept in a satisfactory condition.

In June, license was granted for another house in Low Town Street. This house was inspected. Some improvements found necessary were suggested and carried out, and the number of persons to be accommodated was fixed.

Slaughter-houses.—The private slaughter-houses number 23.

These have been regularly inspected, and were generally found in a clean and satisfactory condition.

During the year two new slaughter-houses have been licensed.

In the weekly Cattle Market one carcase was found exposed for sale which was unfit for food. This was condemned and afterwards destroyed.

Cowsheds and Milkshops.—There are 10 cowsheds and 8 milksellers on the register. They are inspected with regard to cleanliness and general sanitary condition, but no regulations have been made under the dairies, cowsheds and milkshops orders, and no steps have been taken to ascertain, by veterinary inspection, whether milk from cows suffering from tubercular disease of the udder is being sold.

Several of the cowsheds are old and badly ventilated, but they are all kept fairly clean.

Factory and Workshops Act.—During the year the inspections required by this Act have been carried out, and a Register of Workshops, etc., is kept.

| Premises. | Number of Inspections. |
|--|------------------------|
| Factories (including Factory Laundries) ... | 92 |
| Workshops (including Workshop Laundries) ... | 201 |
| Workplaces | 20 |
| Homeworkers' Premises | 12 |
| TOTAL ... | 325 |

Bakehouses.—There are 11 Bakehouses on the register. None of these are underground. They have all been regularly inspected. The ventilation of these places is fairly good. Cleansing and lime-washing was found necessary in a few cases and these demands were complied with. Two are supplied with water-closets for the workmen, the others with midden privies.

Workshops and Workplaces.—The number on the register at the end of 1904 is 44. These have been inspected with regard to cleanliness, air space, ventilation and sanitary accommodation.

Section 22 of the Public Health Acts Amendment Act, 1890, has been adopted in the district.

In workshops and factories where persons of both sexes are employed, separate sanitary accommodation for each sex is provided and was found to be sufficient.

Those required to send lists of outworkers have complied with the Act.

WORKSOP URBAN DISTRICT COUNCIL.

Report of Inspector of Nuisances, as to Nuisances abated, Improvements effected, and Inspections made during the year 1904.

| | | | | | | |
|-----|--|-----|-----|-----|-----|-----|
| 1. | Overcrowding, cases of, abated | ... | ... | ... | ... | 2 |
| 2. | Pigstyes abolished | ... | ... | ... | ... | 2 |
| 3. | Midden Privies abolished and Water Closets substituted | ... | | | | 3 |
| 4. | Privy and Ashpit Vaults raised to ground line and otherwise repaired and improved | ... | ... | ... | ... | 9 |
| 5. | Flushing apparatus provided to Water Closets where previously no means of flushing except by carrying water and pouring into pan | ... | ... | ... | ... | 5 |
| 6. | Additional Privy accommodation provided where previously insufficient | ... | ... | ... | ... | 4 |
| 7. | Sink waste pipes disconnected from drains and made to discharge into the open air | ... | ... | ... | ... | 3 |
| 8. | Badly paved and uneven yards properly paved, channelled and put into good order | ... | ... | ... | ... | 4 |
| 9. | Wells condemned, and the Water Company's water provided | ... | ... | ... | ... | 2 |
| 10. | Common Lodging-houses :— | | | | | |
| | I. Number registered | ... | ... | ... | ... | 5 |
| | II. Inspections made | ... | ... | ... | ... | 121 |
| 11. | Canal Boats inspected | ... | ... | ... | ... | 22 |
| 12. | Public-house Urinals repaired and improved | ... | ... | | | 2 |
| 13. | Minor Nuisances such as blocked gullies and drains, accumulations of manure and rubbish, badly kept pigstyes, and defective flushing apparatus to W.Cs., attended to and abated. | ... | ... | ... | ... | 97 |
| 14. | Factories and Workshops— | | | | | |
| | Inspections made... | ... | ... | ... | ... | 325 |
| 15. | Dairies, Cow-houses, and Slaughter-houses— | | | | | |
| | Inspections made... | ... | ... | ... | ... | 394 |

H. SIMPSON,

Inspector of Nuisances.

TABLE I.

URBAN DISTRICT OF WORKSOP.

Vital Statistics of Whole District during 1904 and previous years.

| YEAR | Popula- tion estima- ted to Middle of each Year | BIRTHS | | TOTAL DEATHS REGISTERED IN THE DISTRICT | | | | Total Deaths in Public Institu- tions in the District | Deaths of Non- Resi- dents regis- tered in Public Institu- tions in the District | Deaths of Resi- dents regis- tered in Public Institu- tions beyond the District | NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT | |
|--|---|-------------|--------|--|---|-------------|--------|--|--|---|--|--------|
| | | Num- ber | Rate * | Under 1 Year of Age | | At all Ages | | | | | Num- ber | Rate * |
| | | | | Num- ber | Rate per 1000 Births Regist- ered | Num- ber | Rate * | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 1894 | 13094 | 475 | 36.27 | 55 | 115.79 | 212 | 16.18 | 19 | 13 | 0 | 199 | 15.12 |
| 1895 | 13205 | 505 | 38.24 | 97 | 192.08 | 250 | 18.93 | 18 | 6 | 2 | 246 | 18.62 |
| 1896 | 13316 | 499 | 37.47 | 73 | 144.28 | 242 | 18.17 | 15 | 8 | 2 | 236 | 17.72 |
| 1897 | 13428 | 473 | 35.22 | 84 | 177.59 | 267 | 19.88 | 16 | 10 | 1 | 258 | 19.21 |
| 1898 | 13529 | 487 | 35.97 | 105 | 215.6 | 278 | 20.53 | 26 | 8 | 5 | 275 | 20.31 |
| 1899 | 13650 | 484 | 35.49 | 113 | 233.47 | 300 | 21.97 | 12 | 3 | 2 | 299 | 21.97 |
| 1900 | 13761 | 508 | 36.91 | 89 | 175.19 | 296 | 21.51 | 29 | 16 | 0 | 280 | 20.34 |
| 1901 | 16196 | 535 | 33.03 | 78 | 145.79 | 237 | 14.63 | 24 | 6 | 1 | 232 | 14.32 |
| 1902 | 16534 | 599 | 36.22 | 106 | 176.96 | 304 | 18.38 | 37 | 12 | 4 | 296 | 17.9 |
| 1903 | 16872 | 609 | 36.09 | 91 | 149.42 | 275 | 16.29 | 36 | 12 | 3 | 266 | 15.76 |
| Avrgs. for years 1894- 1903. | 14358 | 517 | 36.09 | 89 | 172.6 | 266 | 18.64 | 23 | 9 | 2 | 258 | 18.12 |
| 1904 | 17392 | 583 | 33.52 | 104 | 178.39 | 291 | 16.73 | 32 | 11 | 3 | 283 | 16.27 |

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

AT CENSUS OF 1901.

| | | | | | |
|--|-----|-----|-----|-----|--------|
| Total Population at all ages | ... | ... | .. | ... | 16,112 |
| Number of inhabited houses | ... | ... | ... | ... | 3,258 |
| Average number of persons per house | ... | ... | ... | ... | 4.94 |
| Area of District in acres (exclusive of area covered by water) | ... | ... | ... | ... | 17,930 |

| I. Institutions within the District receiving sick and infirm persons from outside the District | II. Institutions outside the District receiving sick and infirm persons from the District | III. Other Institutions, the deaths in which have been distributed among the several localities in the District |
|--|--|--|
| Kilton Hill Infirmary Victoria Hospital Small-Pox Hospital | <div style="text-align: center;">}</div> The Worksope and Blyth and Cuckney Isolation Hospital, Carlton | Royal Infirmary, Sheffield. |

TABLE III.

Cases of Infectious Disease notified during the year 1904,
in the Worksop Urban District.

| NOTIFIABLE DISEASE | CASES NOTIFIED IN WHOLE DISTRICT. | | | | | |
|---------------------|-----------------------------------|---------------|--------|---------|----------|----------|
| | At all Ages | At Ages—Years | | | | |
| | | Under 1 | 1 to 5 | 5 to 15 | 15 to 25 | 25 to 65 |
| Small-pox | 13 | | | | 2 | 11 |
| Diphtheria.. .. | 2 | | | | | 2 |
| Erysipelas | 5 | 1 | | | 2 | 2 |
| Scarlet fever | 16 | 1 | 7 | 6 | 2 | |
| Enteric fever | 16 | | 2 | 7 | 5 | 2 |
| Totals - - - | 52 | 2 | 9 | 13 | 11 | 17 |

Isolation Hospital—Worksop and Blyth and Cuckney Isolation
Hospital, Carlton.

TABLE IV.

Causes of, and Ages at, Death during year 1904,
in the Worksof Urban District.

| Causes of Death | All ages | Under 1 year | 1 and under 5 | 5 and under 15 | 15 and under 25 | 25 and under 65 | 65 and upwards | In Public Institu- tions. |
|--|----------|-----------------|------------------|-------------------|--------------------|--------------------|-------------------|---------------------------------|
| Small Pox | 1 | | | | 1 | | | 1 |
| Measles | 20 | 5 | 15 | | | | | |
| Enteric Fever | 2 | | | 2 | | | | |
| Epidemic Influenza | 4 | | | 1 | | 2 | 1 | |
| Diarrhoea | 36 | 27 | 9 | | | | | |
| Enteritis | 8 | 6 | 1 | | | | | |
| Erysipelas | 1 | 1 | | | | | | |
| Other Septic Diseases.. .. . | | | | | | | | 2 |
| Phthisis (Pulmonary Tuberculosis).. .. . | 8 | | 1 | 1 | 1 | 5 | | 1 |
| Other Tubercular Diseases | 3 | | 1 | 2 | | | | |
| Cancer, Malignant Disease | 9 | | | | | 6 | 3 | 1 |
| Bronchitis | 28 | 5 | 3 | | | 1 | 19 | 6 |
| Pneumonia | 24 | 8 | 8 | | 1 | 4 | 3 | 5 |
| Alcoholism, Cirrhosis of Liver | 5 | | | | | 5 | | |
| Venereal Diseases | 1 | 1 | | | | | | |
| Premature Birth | 15 | 15 | | | | | | |
| Diseases and Accidents of Parturition | 1 | | | | | 1 | | |
| Heart Diseases | 15 | 1 | | | | 9 | 5 | 4 |
| Accidents | 9 | 3 | 2 | | 1 | 3 | | 4 |
| Suicides | 2 | | | | | 2 | | |
| All other causes | 91 | 32 | 6 | 3 | 2 | 16 | 33 | 8 |
| All causes | 283 | 104 | 46 | 9 | 5 | 55 | 64 | 32 |



WORKSOP :

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1905.

